

# Atlas Copco Lubricants Roto-Inject Fluid

## Protect your compressor from the external environment at the best cost

Atlas Copco Roto-Inject Fluid is specially formulated to protect your GA-GX rotary screw compressors and neutralize pollution. It guarantees the longest lifetime, trouble free, with constant performance, at the best operating cost.

Years of experience on thousands of types of Atlas Copco equipment have proven Roto-Inject Fluid to match all lubrication demands in varied conditions. It boasts an extended service interval of up to 4 000 hours for operation in a mild environment. This is critical to achieve the best reliability and reduce the service lifetime cost.



## Features

## Benefits

### Detergent properties keep your system free of deposit

External pollution is neutralized. This is crucial when equipment is operated in a dusty or aggressive environment.

Protect the compressor against oxidation.

### Maintain excellent internal surface cleanness

Dispersing additives prevent sludge formation to keep the system clean

Reduce contamination in the regulating system and keep the pressure drop through the oil separator as low as possible over time, extending its lifetime.

### Good protection against corrosion

Roto-Inject Fluid separates easily from condensed water moisture, to maintain original lubricant properties and actions.

Protect your investment even with reduced load ratio, typical for small size equipment, or during standstill period of transport or storage.

### High resistance against oxidation

Protection against external pollution and high hydrolytic stability extend lubricant lifetime.

Longer drain intervals: up to 4 000 h or 1 year in mild environments.

### Good demulsifying properties

A high ability of the lubricant to separate from water, important during the lubricant cooling phase. The ability to separate during the condensate treatment process.

Protects against corrosion. Maintain lubricant properties for a longer lifetime. Compatible with the OSC & OSD treatment device with high purity separation.

### Low foaming tendency

Good air release properties make sure the air is efficiently separated from the lubricant without foaming.

Maintain a lubrication film to avoid cavitations in the screw element. Low oil carry-over reduces contamination.

### Excellent seal compatibility

The Roto-Inject Fluid formulation is not harmful towards sealing materials. It is compatible with silicone seals, PTFE and polyurethane foams, and compatible with paints on an epoxy or phenolic resist basis.

Reduce the risk of leakage. There is no need to reseal equipment regularly.

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## Lubricant Characteristics

### Appearance

Colorless to light brown, transparent

Performance	Method	Unit	Value
Density at 15 °C	ISO 3675	kg/dm <sup>3</sup>	0.875
Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	46
Viscosity index	ASTM D 2270		100
Foam stability	ASTM D 892	ml	0/0/0
Total acid number	ASTM D 974	mg KOH/g	0.95
FZG fail stage	ISO 14635-2		11
Rust test	ASTM D 665B		pass
Pour point	ASTM D 97	°C	-33

These characteristics are typical of current production. Whilst future production will conform to Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class L-DAH

## ID Card

Name	Roto-Inject Fluid
Oil type	Mineral based lubricant
Service intervals	4 000 h or 1 year at reference conditions
Environment	Ambient temperature range 0°C to +30°C
	Maximum operating pressure 13 bar
Equipment	Atlas Copco single stage oil injected screws
Compatibility	GA - GX compressors
Capacity (ID)	5 l plastic can ( 2901 0245 01 ) 20 l plastic can ( 2901 0522 00 ) 209 l metal drum ( 2901 0045 01 ) 1000 l ECO container ( 2901 0045 10 )

